ATTI

DEL REALE

ISTITUTO VENETO

DI

SCIENZE, LETTERE ED ARTI

DAL NOVEMBRE 1883 ALL'OTTOBRE 1884

TOMO SECONDO, SERIE SESTA

Dispensa Terza

Linnean Society of London.

VENEZIA

PRESSO LA SEGRETERIA DELL'ISTITUTO

NEL PALAZZO DUCALE

TIP. DI G. ANTONELLI, 1883-84

INDICE

Atto verbale dell' adunanza 27 gennaio 1884 . . . pag. 339
Id. id. id. 28 detto » . . . . . » 341

Lavori letti per la pubblicazione negli Atti.

G. Lorenzoni, m. e. — Sulle determinazioni di tempo eseguite ad Arcetri nell'autunno del 1882, colle osservazioni dei passaggi di stelle pel verticale della *polare*. Nota (con 1 tavola) . . . . . » 343

A. De Giovanni, s.c. — Sulla patologia del fegato . . » 397

Prof. G. Occioni-Bonaffons. — Degli studi storici relativi al Friuli nel ventennio 1863-1882. Memoria . . . . . » 407

P. A. Saccardo, m. e. — Miscellanea mycologica . . . » 435

E. De Betta, m. e. — Sulle Najadi d'Italia. Nota critica. » 465

Ab. M. Tono . . . — Bollettino meteorologico dell'Osservatorio del Seminario Patriarcale di Venezia (novembre e dicembre 1883). » XLV-LII

Elenco dei libri e delle opere periodiche, pervenuti dal 27 novembre a tutto 31 dicembre 1883 . . » LIII-LXXII

Comunicato del Collegio dei Ragionieri in Milano per la Mostra di lavori di Ragioneria alla Esposizione generale italiana in Torino nel 1884 . . . . » LXXIII-LXXV

MISCELLANEA MYCOLOGICA

AUCTORE P. A. SACCARDO

INDEX.

I. Fungi gallici. — II. Fungi belgici. — III. Fungi helvetici et tyrolenses. — IV. Fungillus italicus Cactaceis noxius. — V. Fungi ex insula Tahiti, ex America boreali et ex Australia.

I.

Fungi gallici lecti a cl. M. BRIARD (Troyes), P. BRUNAUD (Saintes), C. C. GILLET (Alençon), Ab. LETENDRE (Rouen), A. MALBRANCHE (Rouen) et beat. Domina LIBERT (Malmedy).

Series V.

2182. *Hydnum ochraceum* Pers.**tener*: minus, resupinatum margine secedente subreflexo, tenui-membranaceo, pallido, non zonato; aculeis minimis subintegris, crebris, æqualibus, alutaceis. — In sarmentis emortuis Rubi St. Jouin sur mer (LETENDRE, n. 1725).

2183. *Hydnum stipatum* Fr. – In trunco salicino, Rouen (LET. n. 1469).

2184. *Polyporus imbricatus* Fr. — Ad truncos pr. Rouen (LET. n. 1719).

2185. *Polyporus molluscus* Fr. – In ramis corticatis, Alençon (GILLET, n. 6).

2186. *Radulum orbiculare* Fr. — In sarmentis Rubi, Rouen (LET. n. 1794). Est forma minor aculeis acutiusculis subdenticulatis.

2187. *Solenia stipitata* Fuch. — In fragmentis ligneis, Rouen (Let. n. 1811).

2188. *Phlebia radiata* Fr. — In cortice duriore quercino, Rouen (Let. n. 1793).

2189. *Calocera stricta* Fr.– In ligno quercino putri, Pessines (Brun. n. 15).— Sporophora repetite stricte ramosa. Sporæ clavulatæ, deorsum acutæ, 9-12 = 4-5, hyalinæ, medio tenuiter 1-septatæ, non constrictæ. Videtur species Friesiana, sed specimina authentica non vidi.

2190. *Tremella mesenterica* Retz. — In ramo Fraxini, Rouen (Let. n. 1780).

2191. *Tremella torta* Berk. — Ad ramos dejectos, Rouen (Malbr. n. 235).

2192. *Epidochium disciforme* (Fr.) Sacc. — Cryptomyces disciformis Fr. — Ad ramos Ulmi Malmedy (Lib. 1005). — Sporophora fasciculata, filiformia, e strato poligero lutescente oriunda, in clavulam ovatam 10-15 = 8-9 apice dilatata ; sporæ . . . .

2193. *Puccinia mixta* Fuck.— In foliis Alliorum, uredosporæ et teleutospera, prope Rouen (Let. n. 1715).

2194. *Peronospora Radii* De Bary. — In corollis Chrysanthemi inodori, Rouen (Malbr. n. 764).

2195. *Valsa* (Euvalsa) *tenella* H. Fabr. – In ramis emortuis Callunæ vulgaris, Troyes (Briard, n. 5).— Asci 32-36 = 4-5 ; sporidia 8 = 2.

2196. *Valsa* (Euvalsa) *sorbicola* Nits. — In ramis emortuis Sorbi Torminalis, Troyes (Briard, n. 4).

2197. *Eutypa scabrosa* (Bull.) Fuck.– Ad ramos Fraxini, Rouen (Malbr. n. 709).

2198. *Eutypella parvula* Sacc. — Stromatibus laxe parallele gregariis, elongato-lanceolatis, erumpentibus basi ligno infossis, convexiusculis, nigris, 1 ½ mill. long., ½ mill. crassis ; ostiolis exiguis vix extantibus, obtu-

sis, angulosis ; perithecciis globosis, atris, paucis, monostichis, extus albido-furfurellis ; ascis clavatis, longe stipitatis, 110 = 10, p. sporif. 50-60 μ longis, octosporis ; sporidiis distichis allantoideis, curvulis, 11-14 = 3, pallide olivaceis. — In ramulis denique decorticatis Symphoricarpi racemosæ, Saintes (Brunaud, n. 1). — Stromatibus lanceolatis, minutis imprimis dignoscenda species.

2199. *Physalospora citrispora* (B. et Br.) Sacc. – In ramis corticatis Tiliæ argenteæ, Troyes (Briard n. 1). — Asci 72-96 = 24-28, sporidia ovato-citriformia, 20-24 = 10-12. Ab hac forte non differt *Phys. erratica* (C. et E.) Sacc.

2200. *Didymella Picconii* De Not. – In cortice levi Pini, Rouen (Malbr. 667,). – Asci 75 = 9, paraphysati ; sporidia didyma 18 = 6, 4-guttata, loculo sup. majori.

2201. *Didymosphæria Betulæ* (Niessl) Sacc. Syll. I, 707. — In ramis emortuis corticatis Betulæ albæ pr. Troyes (Briard, n. 4).

2202. *Diaporthe* (Tetr.) *oligocarpa* Nits. – In ramulis corticatis Cerasi, Rouen (Malbr. n. 690). — Asci 48 = 6-7 ; sporidia constricto-biconica, 13 = 4.

2203. *Diaporthe* (Chorostate) *pulchella* Sacc. et Br. — Pustulis gregariis, subcutaneo-erumpentibus, $1^1/_3$-$1^1/_2$ mill. d.; perithecciis paucis circinantibus, $^1/_3$-$^1/_2$ mill.d., globulosis, ostiolis convergentibus, brevibus, non exertis ; ascis fusoideis, subsessilibus, aparaphysatis, 60-76 = 12-16 ; lumine apice minute bifoveolato, octosporis ; sporidiis subdistichis, oblongo-fusoideis, constricto-1-septatis, 16-22 = 7-9, utrinque acutiusculis, rectis curvulisve, hyalinis. — In ramis corticatis Populi pyramidalis, Troyes (Briard, n. 5). *Melanconi dolosæ* (Fr.) De Not. affinis videtur.

2204. *Diaporthe* (Chorostate) *Briardiana* Sacc.–Perithecciis

subcutaneo-prominulis, in acervulos valseos exiguos, gregarios, dense congestis, globulosis, $^1/_3$ mill. d., ostiolis breviusculis vix convergentibus peridermium vix perforantibus; ascis oblongo-fusoideis, subinæqualibus, 44-52 = 6-8, octosporis; sporidiis monostichis v. distichis, oblongo-ellipsoideis, utrinque obtusiusculis, 12-14 = 4, medio leniter constrictis, tenuiterque 1-septatis, 4-guttatis hyalinis. — In ramis emortuis salicinis pr. Troyes (Briard, n. 5). — Eximio et sollerti botanico *Maj.* Briard e Troyes Galliæ meritissime dicata species hæc et aliæ sequentes ab ipso sagaciter perscrutatæ.

2205. *Diaporthe* (Chorostate) *Trecassium* Sacc. et Briard. — Peritheciis corticolis, in acervulos valseos conico-discoideos, regulares, arcte aggregatis, globosis, atris $^1/_3$ mill. d., stromate albido ligneo exceptis circuloque nigro eximie circumscriptis, ostiolis in conum atrum obtusiusculum parum extans coalescentibus; ascis cylindraceis breve stipitatis, apice lumine coarctato, rotundatis, p. sporif. 95-110 = 9-11, octosporis; sporidiis monostichis ellipticis utrinque subrotundatis, constricto-1-septatis, 18-22 = 7-9, biguttatis granulosisve, hyalinis.— In ramis corticatis Platani orientalis pr. Troyes *(Trecasses)*. — Ob sporidia elliptica et ascos teretes ad *D. fibrosam* nutat (Briard, n. 9).

2206. *Diaporthe* (Euporthe) *trinucleata* Niessl. — In caulibus Andryalæ, Saintes (Brunaud, n. 11). Asci 70 = 7; sporidia 12 = 4, sæpius 3-guttata.

2207. *Amphisphæria anceps* Sacc. et Briard. — Peritheciis ligno striolatim nigrificato subimmersis, globulosis, compressiusculis, minutis, $^1/_4$ mill. d., minute papillatis; ascis teretiusculis, stipitatis, apice obtusis, octosporis, 63 = 10 p. specif.; sporidiis oblique mo-

nostichis, 4-septatis, lenissime constrictis, 9-11 = 5-6, biguttatis, olivaceis. — In ramis decorticatis emortuis Populi, pr. Troyes (Briard, n. 10). — Hinc *Didymosphæriæ* (Microtheliæ), hinc *Valsariæ* (Phæospermati) nutat, ideoque anceps *Amphisphæriæ* species.

2208. *Otthia Quercus* Fuck. — In ramis corticatis Quercus, Troyes (Briard, n. 2). — Asci 140-160 = 13-16; sporidia didyma, fuliginea, 20-24 = 10-12.

2209. *Melanconis occulta* (Fuck.) Sacc. Syll. I, 605. — In ramis Populi tremulæ pr. Troyes (Briard, n. 3).

2210. *Pleospora Bardanæ* Niessl f. *Platani* Sacc. — In ramulis corticatis Platani orientalis pr. Troyes (Briard, n. 7).

2211. *Pleospora vagans* Niessl, β *pusilla*. — In foliis Bambusæ cultæ pr. Rouen (Letendre, n. 1707). — Asci crassi, clavati, 70-80 = 17-20. Sporidia disticha fusoideo-oblonga, 22 = 8, supra medium constrictum inflatula, 5-septata, longitud. parce divisa, olivaceo-fusca.

2212. *Cucurbitaria delitescens* Sacc. *Prunorum*. — Perithecciis in cæspitulos collectis, transverse erumpentibus, globosis subinde confluentibus, obtuse papillatis, minutis, atris 1¼-⅓ mill. d.; ascis tereti-clavulatis, paraphysatis, breve stipitatis, 170 = 20-25 p. sporif., octosporis; sporidiis oblique monostichis obovato-ellipsoideis, apice obtusioribus, 28-32 = 15, 7-septatis denseque muriformibus, ad septum medium manifeste, ad cetera vix constrictis, 25-32 = 12-15, olivaceo-fuligineis. — In ramis corticatis Pruni spinosæ pr. Troyes (Briard, n. 16). A typo præcipue sporidiis majoribus differt.

2213. *Melanomma Briardianum* Sacc. — Peritheciis gregariis, sæpeque 2-4 arcte confluentibus, globoso-conicis, vix ½ mill. d., breve, subinde obsolete, papillatis,

dérissimis, atris, extus sub-plicatis ; ascis tereti-clavatis, copiose paraphysatis, apice rotundatis, 160 = 16, octosporis ; sporidiis oblique monostichis, fusoideis, curvulis, utrinque attenuatis, 36-40 = 7-8, 3-septatis, ad septum medium constrictis, loculis mediis sæpe inflatulis, 1-guttatisque, olivaceis, extimis paulo pallidioribus. — In ramis decorticatis lignoque corrupto Salicis et Ribis, pr. Troyes (Briard). Species forma peritheciorum sporidiorumque facile, ut videtur, distinguenda.

2214. *Leptosphæria Michotii* (West.) Sacc.– In foliis Bambusæ cultæ pr. Rouen, socia *Pleospora vagante* (Letendre, n. 1707).

2215. *Sporormia minima* Auersw. — In fimo vaccino, Saintes (Brunaud, n. 75). Asci 60-70 = 12 ; sporidia tetramera, 30 = 5.

2216. *Metasphæria conformis* (B. et Br.) Sacc. *Sphæria conformis* B. et Br. et Curr. Spher. Hook. – In ramis Alni, Troyes, sociis *Cryptospora suffusa* et *Cryptosporio Neesii*, quæ inter se metagenetice vere connexa sunt, non vero, ut opinor, cum *Metasph. conformi* neque cum *Ditopella*, quibus (mirum!) a Tulasneo subjunguntur (Briard). — Eximia species, perperam ab auctoribus ut forma *Ditopellæ fusisporæ* habita, hinc (quia mihi tunc ignota) in *Sylloge* omissa. Perithecia majuscula, $^3/_4$ mill. d., tecta, depressula, papilla acuta erumpente ; asci crasse fusoidei subsessiles, apice obtusi, 60-72 = 18-20, octospori, aparaphysati (an?) ; sporidia disticha v. oblique 1-sticha, tereti-oblonga, utrinque rotundata, curvula, 3-septata, non constricta, 20-24 = 7-8, 4-nucleata v. pluriguttulata, hyalina. — Characteres *Metasphæriæ*, sed natura potius *Calosporæ*, tamen vere simplex.

2217. *Zignoella dolichospora* Sacc. — In ligno putri Ili-

cis, Rouen (Letendre, n. 1785). — Asci clavati, 85-90 = 12; sporidia fusiformia, curvula, 5-7-septata, 36 = 6, hyalina.

2218. *Cryptospora Betulæ* Tul. — In ramis corticatis Betulæ albæ pr. Troyes (Briard, n. 2).

2219. *Lophiotrema angustilabrum* (B. et Br.) Sacc. — Ad ramos Ulicis, Rouen (Malbranche, n. 669). — Sporidia fusoidea, utrinque appendiculata, 4-guttata (immatura), constricto-1-septata, hyalina, 34 = 6.

2220. *Lophiostoma striatum* Sacc. — Perithecciis globulosis, hinc inde gregariis, 1/3 mill. d., cortice immersis, intus atro-cinereis, ostiolo erumpente, compresso, obtusiusculo; ascis tereti-clavatis breve stipitatis 150-160 = 15-20, copiose filiformi-paraphysatis, octosporis; sporidiis oblique monostichis v. distichis, fusoideis, utrinque obtusiusculis, 3-septatis, medio constrictis, 38-40 = 11, 4-guttulatis, olivaceo-fulgineis, longitudinaliter tenuiter striatis. — In ramis corticatis Rosæ caninæ Saintes (Brunaud, n. 4). — Sporidiis non muriculatis sed striolatis ab affini *L. Desmazierii* dignoscitur.

2221. *Nectria cinnabarina* (Tode) Fr. var. *obscurata* Rehm. — In ramis Ulmi, Troyes (Briard, n. 2). — Asci 50-70 = 8-12; sporidia constricto-1-septata, 16-18 = 5-6.

2222. *Nectria Stilbosporæ* Tul. – In acervulis Stilbosporæ angustatæ ad Carpinum cum *Fusario socio*. — Asci cylindracei 90-100 = 10; sporidia 1-sticha, elliptico-oblonga, 16-20 = 7-8, tenuiter 1-septata, granulosa, hyalina.

2223. *Pezicula* (Phragmopezia) *livida* (B. et Br.) Rehm. – In cortice Pini, Malmedy (Libert, n. 166). — Asci tereti-clavati, breve stipitati, paraphysati, octospori, 130 = 20; sporidia oblonga, utrinque obtusiuscula,

30 = 10, 4-nucleata, tandem tenuiter 3-septata, ad septa non, nisi medium, constricta. Sporidiis septatis hæc nec non affinis *P. dissepta* Tul. a ceteris speciebus recedit.

2224. *Dermatea* (Encœlia) *furfuracea* Fr. (nec Fuck. nec Sacc.). — In cortice Alni glutinosæ, Rouen (Letendre, n. 1802). — Asci clavulati 81-100 = 8-10, paraphysati, octospori; sporidia cylindracea curva, 2-guttulata (quasi Allantosporarum) 10-12 = 3-4, hyalina. — Species homonyma Fuckelii (Symb. 278) in Corylo et mea in Pruno (Fung. ven. IV, 29) a genuina differt ascomatibus multo minoribus, vix 1½ mill. d., ascis cylindraceis, sporidiis ellipsoideo-oblongis, rectis, 10-11 = 6-8, structura tamen ascomatis et indumenti simillima. Hæc postrema *Derm.* (Encœlia) *Fuckelii* dici meretur. Icon. in F. ital. 1312 pessime fucata, nam non ochracea, sed stramineo-furfuracea, præteraque ascomata nimis aperta.

2225. *Ascobolus immersus* Pers. — In fimo vaccino Saintes (Brunaud, n. 75).

2226. *Trichopeziza albo-testacea* (Desm.) Sacc. — In culmis graminum majorum, Malmedy (Libert, n. 399). — Sporidia acicularia 10-12 = 1. Est quasi *Trichopeziza patens* sed subsessilis.

2227 *Trichopeziza Bernardiana* Sacc. et Let. — Ascomatibus gregariis, sessilibus, cupularibus, totis pallide carneo-luteolis, ⅓-½ mill. d., subceraceis, extus pilis exiguis asperulis lutescentibus ornatis; ascis teretiusculis, brevissime stipitatis, filiformi-paraphysatis, 50-60 = 6, octosporis; sporidiis distichis fusoideo-cylindraceis lenissime curvulis, utrinque obtusiusculis, 10-13 = 1,7-2, hyalinis. — In caule emortuo Cirsii palustris pr. Rouen (Letendre, n. 1717). — Generi *He-*

lotio affinis. — Claro Bernard, floræ circuli Sequanæ inferioris scrutatori eximio, dicata species.

2228. *Lachnella albido-fusca* Sacc. Ascomatibus gregariis, sessilibus, scutellatis, coriaceo-duriusculis, $^1/_2$-$^3/_4$ mill. d., rufo-atris, breve villosis, setis filiformibus, septatis, fuligineis, levibus, 4 μ cr.; disco concavo, albido, margine leniter involuto; ascis tereti-clavulatis, deorsum attenuato-stipitatis, 50-55 = 7-8, octosporis; sporidiis anguste fusoideis, 7-9 = 1,5, distichis, rectis, hyalinis.— In sarmentis corticatis Rubi Idæi, Malmedy (Libert, n. 237). *Lach. barbatæ* et *L. flammeæ* subaffinis.

2229. *Dasyscypha bicolor* (Bull.) Fuck. — In ramis corticatis quercinis, Malmedy (Libert, n. 398).

2230. *Peziza* (Crouania) *miniata* Fuck. *Ascobolus Cronani* Cooke. — Inter muscos Malmedy (Libert, n. 394).

2231. *Niptera Polygoni* Rehm. f. *Rumicis*.– In caule Rumicis Acetosæ emortuo, Rouen (Letendre, n. 1801). Asci tereti-clavati, paraphysati, 35-38 = 7; sporidia disticha, oblongo-fusoidea, 6-8 = $1^1/_2$-2, 2-guttulata, hyalina, recta.

2232. *Niptera cæspiticia* (Karst.) Sacc. — In ramis salicinis, Malmedy (Libert, n. 368).

2233. *Niptera palustris* (Rob.) Sacc.– In culmis gramineis, Malmedy (Libert, n. 92). — Asci teretiusculi 30 = 4; sporidia bacillari-curvula, 4-5 = 1.

2234. *Helotium ceraceum* (Fr.) Sacc.– In cortice Rubi, Malmedy (Libert, n. 240).

2235. *Helotium Humuli* (Lasch.) Karst.– In sarmentis Humuli (?), Malmedy (Libert, n. 393). — Asci 100-110 = 8-10; sporidia fusoidea 12-15 = 3.

2236. *Helotium phacidioides* Sacc.— Ascomatibus sparsis, plano-scutellatis, initio epidermide velatis (phacidioideis), dein prorsus emergentibus, $^1/_3$-$^1/_2$ mill. d., mar-

gine breviter elevato, atro-fusco, levi, disco sordide cerineo, concaviusculo; ascis tereti-clavulatis, breve crasse stipitatis, 60 = 10, paraphysatis, octosporis, sporidiis, oblique monostichis, bacillaribus, apice obtusiusculis, 15 = 2, leniter curvis, hyalinis. — In foliis emortuis Betulæ albæ, sæpius epiphylla, Malmedy (Libert, n. 953). — Hic *Trochilis*, hinc *Phacidiis* affine, sed propius *Helotio*.

2237. *Calloria vinosa* (A. S.) Karst. – In ligno fagineo, Malmedy (Libert, n. 589).

2238. *Cryptodiscus Libertianus* Sacc. et Roum.– Ascomatibus gregariis, disciformibus, convexulis, $^1/_2$ mill. d., epidermide velatis dein, ea rimose v. varie fissa, erumpentibus, roseis, cornosulis; ascis tereti-clavatis breve crasse stipitatis, 120-130 = 20-24, apice rotundatis, paraphysibus simplicibus, ramulosisque obvallatis, octosporis; sporidiis distichis, clavato-fusoideis, 28-30 = 8, 5-(raro 3)-septatis, non constrictis, hyalinis. – In ramis corticatis salicinis (ut videtur), Malmedy (Libert, n. 844). — Affinis *Cryptodisco majori*, sed sporidia crassiora, recta, 5-septata, non constricta.

2239. *Hendersonia notha* Sacc. et Br. — Perithecciis gregariis, globoso-depressis, subsuperficialibus, verruculosis, astomis $^1/_{10}$-$^1/_8$ mill. d., contextu parum distincto; stylosporis oblongo-cylindraceis, 10-12 = 4, utrinque rotundatis, rectis, 3-septatis, constrictisque, olivaceo-fuligineis. — In pag. inf. foliorum Juniperi communis, Troyes (Briard, n. 16).

2240. *Ascochyta althæina* Sacc. et Bizz. – Maculis sordide brunneis, sæpe flavo-marginatis, subcircularibus, perithecciis innatis, punctiformibus; spermatiis oblongis, utrinque rotundatis, 1-septatis, constrictulis, hyalinis, 7-10 = 3,5-4. — In foliis Althææ officinalis languidis, Rouen (Letendre, n. 1727bis).

2241. *Ascochyta Paulowniæ* Sacc. et Brun. — Maculis epiphyllis variis, fusco-cinerescentibus ; peritheciis lenticularibus, pertusis, 90 μ d. ; spermatiis fusoideis, 14-18 = 3, 1-septatis, vix constrictis, 4-guttulatis, dilute olivaceis. — In foliis Paulowniæ, Saintes, socia *Phyllosticta Paulowniæ* Sacc. (Brunaud, n. 11).

2242. *Ascochyta graminicola* Sacc. **ciliolata* Sacc., Mich. II, 621. - In foliis Holci, Rouen (Letendre, n. 1697).

2243. *Septoria Scorodoniæ*. Pass. in litt. (ut var. *Sept. Teucrii*). — Maculis minutis subcircularibus, præcipue epiphyllis, denique folium perforantibus, rufo-ochraceis ; peritheciis paucis punctiformi-lenticularibus, 80 μ d., perforatis; spermetiis bacillaribus, utrinque obtusiusculis, continuis, hyalinis, 28-36 = 1-1,3, eguttulatis. — In foliis languidis Teucrii Scorodoniæ pr. Rouen (Letendre, n. 1703). — Taillebourg Char. inf. (Brunaud).

2244. *Septoria Galeopsidis* West. — In foliis Galeopsidis Tetrahit pr. Rouen (Letendre, n. 1709). Spermatia 30-35 = 1.

2245. *Septoria Ligustri* Desm. in Kickx Flandr. I, 354. — In foliis Ligustri vulgaris languidi pr. Rouen (Letendre, n. 1704). Spermatia 15 = 1.

2246. *Septoria ficariæcola* Sacc. (An Depezea ficariæcola Lasch., Bot. Zeit. 1844, p. 426). — Maculis arescendo ochraceo-pallidis, immarginatis sæpius epiphyllis ; peritheciis punctiformibus depressis, atris, perforatis, 50 μ d. ; spermatiis bacillari-fusoideis, 1-septatis, 18-20 = 1,5, subinde curvulis, hyalinis. — In foliis Ficariæ ranunculoidis, socio *Aecidio Ficariæ* et *Aecidiolo exanthematico* f. *Ficariæ* : conidiis ovoideis, hyalinis 5-6 = 3.

2247. *Septoria lineolata* Sacc. et Sp. — In foliis Caricineorum, Rouen (Letendre, n. 1781).

2248. *Septoria Sisonis* Sacc.– Maculis variis expallentibus; peritheciis copiosis, punctiformibus, atris, spermatiis bacillaribus, obtusiusculis, obsolete 3-septatis, 30 = 1,5, hyalinis. — In foliis Sisonis Amomi, Saintes (Brunaud, n. 19). — Ab affini *Sept. Petroselini* differt spermatiis brevioribus, maculis diversis.

2249. *Septoria sarmenticia* Sacc. — Peritheciis gregariis, globosis, papillatis, 1/6 mill. d., subepidermicis; spermatiis bacillari-fusoideis, utrinque acutis, continuis, hyalinis, 7-11 = 1,5. — In caule Tami communis, Rouen (Malbranche, n. 700).

2250. *Septoria Ephedræ* Sacc. — Peritheciis gregariis, globoso-depressis, pertusis, 80-100 μ d., epidermide initio velatis; spermatiis bacillaribus, curvis, utrinque obtusiusculis, 26-30 = 1,5, 6-10-guttulatis, hyalinis. — In ramulis Ephedræ, Rouen (Letendre, n. 1787).

2251. *Dothichiza Padi* Sacc. et Roum. – Peritheciis subsuperficialibus, gregariis, applanatis, dein pezizoideo-depressis, atris, subcoriaceis, 1/3-1/2 mill. d.; spermatiis oblongis, 6 = 1, hyalinis; basidiis varie ramosis cylindraceis 4-6-plo longioribus suffultis. — In ramis corticatis Pruni Padi, Malmedy (Libert, n. 132). Verisimiliter status spermogonicus *Cenangii Padi* Fr.

2252. *Cytispora ericeti* Sacc. — Peritheciis hinc inde aggregatis, subcutaneo-erumpentibus, papillatis, atris, 1/4 mill. d.; spermatiis cylindricis, curvis, 11-14 = 2, hyalinis; basidiis bacillaribus brevioribus. — In trunco corticato Ericæ, Rouen (Malbranche, n. 664).

2253. *Diplodia Juniperi* West. f. *foliicola*. – In foliis emortuis Juniperi communis, Troyes (Briard, n. 17). Stylosporæ didymæ, fuscæ, 24-26 = 10-11.

2254. *Diplodia Platani* Sacc. – Peritheciis gregariis, subcutaneo-erumpentibus, papillatis, atris, 1/2 mill. d.; stylosporis didymis, utrinque rotundatis, constrictis,

22-28 = 12-14, fusco-olivaceis.— In ramis Platani orientalis, Troyes (Briard, n. 19) et in agro Veneto. *Dipl. pauperculæ* B. differt quia microspora.

2255. *Camarosporium polymorphum* (De Not.) Sacc. — In caulibus Rutæ, Saintes (Brunaud, n. 14). Stylosporæ ovato-globosæ, 2-3-septato-muriformes, subinde cruciatim septatæ, fuligineæ, 10-15 = 8-10.

2256. *Labrella Ptarmicæ* Desm.– In foliis Achilleæ Ptarmicæ vivis, Rouen (Letendre, n. 1767). — Specimina imperfecta, ergo dubium an statum ascophorum spectent.

2257. *Phyllosticta Paulowniæ* Sacc. — In foliis Paulowniæ, Saintes (Brunaud, n. 14).

2258. *Phyllosticta Wistariæ* Sacc. – Maculis irregularibus amphigenis, ochraceis ; peritheciis gregariis lentiformibus, pertusis, 1/6 mill. d., tenui-membranaceis; spermatiis oblongis, deorsum acutioribus, 2-guttatis, 8-10 = 3-3,5; basidiis acicularibus 15 = 1,5. — In foliis Wistariæ sinensis, Saintes (Brunaud, n. 22). — Ob basidia *Phomæ* accedit, cetera vero *Phyllostictæ*.

2259. *Phyllosticta Pharbitis* Sacc. — In foliis Pharbitis hispidæ, Rouen (Letendre, n. 1683).

2260. *Phyllosticta Caprifoli* (Op.) Sacc. — In foliis Loniceræ, Rouen (Letendre, n. 1799).

2261. *Phyllosticta æsculina* Sacc. – Maculis amphigenis arescendo ochraceis, variis ; peritheciis punctiformibus, vix 1/10 mill. d., atris ; spermatiis ellipsoideis, hyalinis, 9 = 3 ; basidiis obsoletis. — In foliis adhuc vivis Aesculi Hippocastani prope Rouen (Letendre, n. 1708). — A *Ph. æsculicola* differt præcipue spermatiis duplo majoribus

2262. *Phoma Ophites* Sacc. — Peritheciis subcutaneis globo-depressis, atro-olivaceis, subinde linea stomatica nigricante subcorticali cinctis, ostiolo obtuso erum-

pente; spermatiis fusoideis, rectis, 10 = 2, 2-guttatis hyalinis; basidiis aciculariBus fasciculatis, 15 = 1,5, hyalinis. — In ramulis emortuis Hibisci syriaci, Saintes (Brunaud, n. 5). — Spermogonium *Diaporthes Ophites* Sacc.

2263. *Coniothyrium fœdans* Sacc. – In ramis corticatis Juglandis regiæ pr. Troyes (Briard, n. 22).

2264. *Steganosporium Aesculi* Sacc., Syll. II, p. 3.– In ramulis Aesculi Hippocastani, Troyes (Briard, n. 12). Status conidicus *Massariæ Aesculi.*

2265. *Sphacelia nigricans* (Tul.) Sacc. **S. tenella* Sacc. – Acervulis multo minoribus, $^1/_4$-$^1/_3$ mill. d., epidermide diu velatis, atris; conidiis sphæricis, 4-5 = 4,7, hyalinis, catenulatis; basidiis e basi cellulosa olivaceo-fuliginea oriundis, aciculariBus, 8-14 = 1,5, hyalinis, simplicibus v. bi-trifidis.— In calamo Juncí glauci, Rouen (Malbranche, n. 654).

2266. *Cylindrosporium Colchici* Sacc. An *Septoria Colchici* Pass.? — Acervulis parenchymate immersis, punctiformibus, sæpius concentrice dispositis, 80-100 μ d., perithecio destitutis; conidiis bacillari-fusoideis hyalinis, 26-30 = 2-2,5, curvulis, subinde spurie 1-3-septatis (interdum multo brevioribus, 10-12 = 3 rectiusculis); basidiis bacillaribus varie ramosis, hyalinis. — In foliorum partibus arescendo ochraceis Colchici officinalis, Rouen (Letendre, n. 1777).

2267. *Closterosporium fungorum* Sacc. — Sporodochiis effusis planis, aterrimis, 2-3 mill. latis, compactis, superficialibus; conidiis dense fasciculatis fusoideis; apice rotundatis, 25-28 = 8, recte, v. inæquilateralibus, deorsum in basidium cylindraceum iis brevius attenuatis, 3-(raro 4)-septatis, ad septa leniter constrictis, loculi 2 intermediis fuligineis, guttulatis, ultimis basidiis que dilute olivaceis. In Cortícto levi v. affi-

ni parasiticum, Alençon (Gillet). — A *Sporidesmio fungorum* (Fr.) Berk. verisimiliter non differt; natura vero compacta tam a *Closterosporio* quam a *Sporodesmio* recedit et potius ad *Exosporium* vergit. A *Coryneis* vegetatione prorsus superficiali differt.

2268. *Macrosporium trichellum* Sacc. et Arch. — In foliis Hederæ, Rouen (Letendre, n. 1688).

2269. *Cladosporium perpusillum* Sacc. – Cæspitulis creberrimis, punctiformibus, atris, superficialibus; hyphis e basi stromatica hemisphærica sphæriæformi oriundis, filiformibus, 40-50 = 5, sursum denticulato-sporigeris, continuis, fuligineis; conidiis oblongis v. breve fusoideis, continuis mox 1-(raro 2-3)-septatis, vix constrictis, 9-11 = 4, olivaceis. — In culmis Ammophilæ, Vendée (Malbranche, n. 78). Habitus fere minimi *Perisporii*.

2270. *Botrytis bryophila* (Pers.?) Sacc. *Sporotrichum bryophilum* Pers.? — Effusa, flavido-alba, compactiuscula; hyphis fasciculatis, assurgentibus, septatis, fulvellis, 20 μ cr., sursum varie ramosis, ramulis asperulis hinc inde glomerulos basidiorum oblongorum, inæqualium gerentibus; conidiis sphæricis, levibus, 3,5-4 μ diam., hyalinis ad apicem basidiorum nascentibus. — In ramulis foliosis Hypnorum, Rouen (Letendre, n. 1778). Convenit cum diagnosi Persooniana, quæ tamen ita manca ut judicium tutum inferri nequeat.

2271. *Ramularia Lampsanæ* (Desm.) Sacc. f. *Taraxaci*. – In foliis *Taraxaci officinalis* pr. Rouen (Letendre, num. 1694). — Conidia cylindrico-fusoidea, 15-25 = 3.

2272. *Cercospora montana* (Speg.) Sacc. – In pagina inf. foliorum languidorum Epilobii montani pr. Rouen (Letendre, n. 1695).

2273. *Ovularia sphæroidea* Sacc. — In foliis Loti cor-

niculati, hypophylla, pr. Rouen (Letendre, n. 1714). — Conidia globulosa 8-10 μ d.

2274. *Sphæridium vitellinum* Fres. — In foliis dejectis putrescentibus, Elbeuf (Malbranche, n. 783). — Basidia stipitem constituentia fasciculata bacillaria, simplicia vel sursum breve ramulosa, 50-60 = 2 ; conidia catenulata, cylindrica, 6-8 = 1-1,3. Eximia plantula flavo-vitellina, globosa, stipitulata.

2275. *Fusarium* (Selenosporium) *socium* Sacc.— Sporodochiis superficialibus, pulvinatis, cinnabarinis, 1-2 mill. d., compactis, levibus; conidiis fusiformibus, utrinque acutissimis, curvis, tenuiter 6-8-septatis, guttulatis, 60 = 6-7 ; basidiis fasciculatis filiformibus, 50-90 = 3, ramoso-furcatis, hyalinis. – In cortice Carpini cum *Stilbospora* et *Nectria Stilbosporæ*, cujus facile status conidicus, Troyes (Briard).

2276. *Fusarium violaceum* Fuck. — In tuberibus udis Solani tuberosi, pr. Rouen (Letendre, n. 1722). — Conidia falcata, obtusula, 30 = 5, 3-septata.

2277. *Periola tomentosa* Fr. — In tuberibus Solani tuberosi, socio *Fusario violaceo* quod in Periola parasitari videtur. — Conidia obovata minuta, 5 = 3, hyalina, basidiis 3-4-plo longioribus dense fasciculatis bacillaribus suffulta.

II.

Fungi belgici lecti a cl. Dominis Elisa Bommer et Maria Rousseau (1).

1. *Polyporus Braunii* Rabenh. — In truncis exoticis in Horto botanico Bruxellensi.
2. *Chætomium Fieberi* Corda. **C. Saccardianum* Bomm. et Rouss. in litt. – In charta putrescente. – Perithecia minuta, 1/8 mill. d., mox collabascendo cupulata ; setulæ filiformes fuligineæ, 150-200 = 3, modice flexuosæ, sursum denticulato-conidiophoræ ; conidia sphærica hyalina dein fuscidula, distincte muriculata, 8-9 μ d. Sporidia limoniiformia, 9 = 7, fuliginea. Conidia modo descripta ab auctoribus nullis describuntur : an ergo species distinguenda ?
3. *Trichosphæria Punctillum* Rehm. **T. pachyspora* S. R. B. — A typo recedit sporidiis paulo brevioribus et crassioribus. Perithecia 1/4 mill. d. ; setulæ septatæ atrofuscæ 150-200 = 8; asci tereti-fusoidei, 90-80 = 10 ; sporidia ellipsoidea, utrinque acutiuscula 10-12 = 7, granulosa, hyalina, v. dilutissime flavida. — In lignis putridis.
4. *Zignoëlla* (Zignoina) *grœnendalensis* S. R. B. — Perithecis gregariis, subglobosis, exiguis, 1/6 mill., breve papillatis, carbonaceis, fragilibus, atris, basi hyphis fuligineis filiformibus tortuosis cinctis, ceterum subglabris ; ascis cylindraceis, modice stipitatis ; paraphysatis, octosporis, 110-120 = 7, apice lumine sub-bifo-

(1) Species perpaucas e Verviers cl. Doct. E. Lambotte communicavit. Ceteras species prope Bruxelles legerunt cll. dominae Bommer et Rousseau.

veolato; sporidiis monostichis, elliptico-oblongis, subinæquilateralibus, 16-18 = 6-7, 1-2-guttatis, granulosisque, hyalinis. — In ligno fagineo putri, Groenendael pr. Bruxelles. — Fructificatione ad *Ceratostomellam dubiam* Sacc. admodum accedit, sed rostellum perithecii deest.

5. *Melanopsamma Saccardiana* Bomm. et Rouss. in litt. — Peritheciis gregariis, minutis, 1/6 mill. d., subglobosis, obtuse papillatis, atris, glabrescentibus, sed hyphis dematiaceis (propriis?) rigidulis, fuligineis, plerumque cinctis; ascis subcylindricis, aparaphysatis v. spurie paraphysatis, 60-70 = 5-7, apice rotundatis, deorsum attenuatis breveque stipitatis, octosporis; sporidiis oblique monostichis v. distichis, breve oblongis, utrinque obtusiusculis, diu continuis, tandem distincte constricto-1-septatis, 7-8 = 4, 2-4-guttulatis, hyalinis. — In ligno fagineo putrescente Groenendael, sociis *Helminthosporio apiculato* et *Lasiosphæria hispida*.

6. *Lophiotrema rubidum* S. R. B. — Peritheciis ligno (cortice secedente) superficie leniter cruentato semiimmersis, v. basi infossis, subglobosis, compressiusculis carbonaceis, nigris, 1/3 mill. cr., ostiolo minuto compresso, subinde subpapillato; ascis teretibus, filiformi-paraphysatis, breve stipitatis, 130 = 10, octosporis; sporidiis oblique 1-stichis v. distichis, fusiformibus, rectis curvulisve, utrinque acutis, 25-30 = 6, 4-nucleatis, triseptatis, leniterque constrictis, hyalinis, initio strato exiguo mucoso obductis. — In sarmentis emortuis Rubi. — Affine *Loph. præmorso*, a quo differt sporidiis 4-(nec 6-) nucleatis, matrice cruentata etc.

7. *Physalospora Callunæ* (De Not.) Sacc. — In ramis corticatis Callunæ vulgaris, Verviers (Lambotte).

8. *Phoma nitidula* S. R. B. — Peritheciis gregariis, glo-

boso-hemisphæricis, atris, nitidissimis, subsuperficialibus, $^1/_6$ mill. d., vix papillatis ; spermatiis bacillaribus, rectis, utrinque obtusiusculis, 16-20 = 1,8-2, hyalinis, basidiis perexiguis. — In glandibus quercinis. — Affinis *Phomæ cylindrosporæ*, sed perithecia diversa.

9. *Phomæ* (Aposphæria) *stigmospora* Sacc. et Lamb. — Peritheciis subsuperficialibus hinc inde dense gregariis, globosis obtuse breve papillatis, atris, $^1/_4$ mill. diam. ; spermatiis copiosissimis globosis, perexiguis 1-1,5 μ diam., subhyalinis ; basidiis acicularibus, 7-9 = 1,3, fasciculatis, hyalinis. — In ramis corticatis emortuis Callunæ vulgaris, Verviers (Lambotte).

10. *Ceuthospora glandicola* S. R. B.— Stromatibus sparsis, e basi subplana depresse conicis, subsuperficialibus, atris, nitidulis, $^1/_3$ mill. lat. intus 2-4-loculatis ; contextu minute celluloso rufo-fusco ; spermatiis fusiformibus, curvulis, utrinque acutis, hyalinis, 15-17 = 1,5 ; basidiis obsoletis.— In glandibus emortuis quercinis.

11. *Hendersonia* (Stagonospora) *Lambottiana* Sacc. — Peritheciis erumpenti-subsuperficialibus, globoso-depressis, vertice tandem (collabascendo ?) excavatis, subastomis, atro-olivaceis $^1/_4$-$^1/_3$ mill. d., contextu subprosenchymatico olivaceo-fusco ; stylosporis cylindraceis, curvulis, utrinque rotundatis, 14-18 = 3-4, 3-septatis, non constrictis, hyalinis ; basidiis dense fasciculatis, cylindricis, varie furcatis v. ramosis, 25-30 = 2, hyalinis. — In trunco ramisque corticatis emortuis Callunæ vulgaris, Verviers (Lambotte). — In genere anceps, quia perithecia subastoma et fere pezizoidea.

12. *Camarosporium pithyum* S. R. B. — Peritheciis subsparsis, globoso-lenticularibus, epidermide initio vela-

tis, ½ mill. d., poro pertusis ; stylosporis oblongo-ellipsoideis, 3-septatis, parceque muriformibus, ad septa non constrictis, 18-20 = 8-10, fuligineis, basidiis brevissimis hyalinis suffultis. — In foliis Araucariæ imbricatæ, sæpius epiphylla. — A *C. suseganensi* differt peritheciis paulo majoribus et defectu macula matricali.

13. *Camarosporium salicinum* S. R. B. — Peritheciis subcutaneo-erumpentibus, globoso-papillatis atris, laxe gregariis, ½ mill. d. ; stylosporis ellipsoideis, 3-septato-muriformibus, ad septa constrictis, utrinque rotundatis, 18-20 = 8-10, fuligineis ; basidiis .... non visis. — In ramis corticatis salicinis, socia *Diplodia salicella* Sacc.

14. *Sphæronema ?? Acicula* S. R. B. — Peritheciis spuriis in ligno superficie pruinoso-dealbato laxe gregariis superficialibus, minutis, acicularibus, apice truncatis nigris, 150 = 50, contextu prosenchymatico, subcarbonaceo, fuligineo, basidiis prælongis, filiformibus, fasciculatis, apice in vesiculam guttulatam 18-20 = 8-10, desinentibus ; spermatiis oblongis suballantoideis, deorsum acutioribus, 12-15 = 4-5, guttulatis hyalinis. — In ligno putrescente Carpini Betuli. — Forma paradoxa (lichenosa?) a genere *Sphæronemate*, valde recedens.

Agyriella Sacc. nov. gen. *Agyrium* Lib. ex parte. Sporodochium erumpens, pulvinatum, gelatinoso-induratum, nigrum ; basidia prælonga fasciculata, sursum ramosa, ramis pluries verticillato-ramulosis, hinc capitato-conidiophoris. Conidia acrogena oblongo-cylindracea subhyalina.

15. *Agyriella nitida* (Lib.) Sacc. *Agyrium nitidum* Lib. Conf. Sacc., Syll. fung. II, p. 317. — Basidia 150-200 μ longa, quandoque in fasciculos coalescentia ; conidia

subcylindracea, curvula, 3-4 = 1/2, cum basidiis e hyalino dilutissime olivacea. — In sarmentis Rubi.

16. *Sporoschisma insigne* S. R. B. — Effusum, setuloso-velutinum, atrum (ex conidiis) albido-variegatum; hyphis erectis cylindraceis, supra basim v. et prope apicem inflatulis, obscure septatis, 200-300 = 10-12 (ad inflationes), fuligineis basi fibrillosis; conidiis ex interiore hypha continuo exsilientibus, subindeque catenulatis, cylindricis, utrinque truncatis, 40-50 = 6-6 1/2, initio granulosis, dein 10-14-guttatis, septatisque non constrictis, hyalinis. — In ligno putri. Pulcherrima species, a ceteris optime distinguenda.

17. *Virgaria coffeospora* S. R. B. — Effusa setuloso-velutina, atra; hyphis assurgentibus, rigidulis, sursum acutis, remote septatis, fuligineis, subsimplicibus; conidiis (pleuro-acrogenis?) ovoideis, plano-convexis (coffeiformibus), 10 = 5, biguttulatis, fuligineis. — In ligno putri fagineo.

18. *Helminthosporium coryneoideum* De Not. * *H. proliferum* S. R. B. — A typo differt præcipue hyphis minus densis et præsentia articuli sphærici, levis, 1-guttati, ochraceo-fusci, 20 μ d., et mox decidui, ad apicem conidiorum. — Hyphæ 80-90 = 7, plurisceptata; conidia ellipsoidea 32-35 = 18, quinquelocularia, non constricta, fuliginea, loculis extimis pallidioribus. — Ad caules Urticæ dioicæ. Proliferatio vere curiosa, et hucusque nobis in nulla alia specie visa.

19. *Closterosporium gibbum* S. R. B. — Effusum, tenue, velutinum, atrum; hyphis mycelicis repentibus septulatis, pallide fuligineis, hinc inde ramulos conidiophoros conidio triplo breviores sub-1-septatos exerentibus; conidiis oblongis arcuato-gibbis, hinc apice laterali, sæpius obtuso, 2-septatis, non constrictis, 15 = 7-8, fuligineis dein prorsus opacis. — In foliis Arau-

cariæ imbricatæ putrescentibus.— Conidii apex subinde (e germinatione?) muco quodam auctus.

20. *Closterosporium Eruca* S. B. B. — Effusum, tenue, subpulveraceum, atrum; mycelio fere obsoleto; conidiis tereti-fusoideis, sæpius curvatis, apice rotundatis, 65-70 = 11-14, basi brevissima stipitiformi suffultis, 13-16-septatis, ad septa non constrictis, atrofuligineis. — In ligno putrescente Ulmi.

III.

Fungi helvetici et tyrolenses lecti a cl. prof. P. Morthier, G. Winter et ab. J. Bresadola.

1. *Sphærella nerviseda* Speg. * *microspora:* sporidiis clavulatis quam in typo brevioribus, 10-12 = 4,5 in ascis clavulatis 50 = 10 oblique monostichis.– In foliis emortuis Orobi verni, sociis spermogoniis: *Septoria orobicola* Sacc. et *Phyllosticta orobella* Sacc., prope Neuchatel, (Morthier, n. 5).

2. *Metasphæria massarina* Sacc. — Peritheciis sparsis, subcutaneis, vix erumpentibus, globoso-depressis, obsolete papillulatis, $^3/_4$ mill. d., subcoriaceis; ascis cylindraceis, breve stipitatis, apice rotundato-obtusis, 125-130 = 10-11, paraphysibus tenuibus, subinde ramulosis obvallatis, octosporis; sporidiis monostichis oblongis rectis, utrinque obtuse rotundatis, 23-28 = 8-10, 5-6-septatis, non constrictis, nisi leniter ad medium, hyalinis. — Ad ramulos corticatos Ribis alpini pr. Neuchatel (Morthier, n. 10). — Pulchra species, ad Massarinam accedens, sed sporidiorum mucus nullus.

3. *Leptosphæria Galiorum* Sacc. v. *Gentianae.*– Ad caules Gentianæ luteæ prope Neuchatel (Morthier, n. 18).

— Asci clavati stipitati, 75-80 = 18; sporidia 3-septata, rufo-fusca, 20-22 = 7-9.

4. *Leptosphæria ophioboloides* Sacc. — Peritheciis gregariis epidermide velatis, globosis, $^1/_4$-$^1/_3$ mill. d., atris, ostiolo papillato erumpente; contextu parenchymatico densiusculo; ascis clavatis, breve stipitatis, apice obtusiusculis, 120-130 = 14, parce paraphysatis, octosporis; sporidiis subtristichis bacillaribus, utrinque obtuse rotundatis, 8-10-septatis, loculo 2.° vel 3.° paulo crassiore, 50-55 = 4-4,5, olivaceo-melleis, loculis sæpius minute biguttulatis. — Ad caules Tragopogonis, ut videtur, in sylvis prope Neuchatel (Morthier, n. 14). — Sporidia subinde bina apicibus connexa, interdum in loculos secedentia, hinc ophioboloidea.

5. *Leptosphæria Morthieriana* Sacc.— Peritheciis laxe gregariis, parenchymate immersis globulosis, duriusculis, atris, $^1/_6$ mill. d., ostiolo conoideo acuto, emergente; ascis teretibus, crassis, brevissime abrupte stipitatis, 140-150 = 35-37, paraphysatis, apice subrotundatis, octosporis; sporidiis distichis oblongo-fusoideis rectis, utrinque rotundatis 40-45 = 13-14, 5-septatis, vix constrictis, lutescentibus. — In foliis Succisæ putrescentibus in palude torfaceo *les Ponts* prope Neuchatel (Morthier, n. 6). — Præclaro botanico, de Flora helvetica meritissimo, P. Morthier dicata species.

6. *Leptosphæria vagabunda* Sacc. — In sarmentis corticatis Rubi Idæi prope Neuchatel (Morthier, n. 4).

7. *Pleospora Cytisi* Fuck f. *Spartii*. — In ramis Spartii juncei, Neuchatel (Morthier, n. 1).

8. *Pyrenopeziza Corcellensis* Sacc. — Ascomatibus laxe gregariis epidermide diu velatis, dein erumpentibus, plano-scutellatis, $^1/_4$ mill. d., totis nigricantibus, margine parum elevato, subinæquali; excipuli contextu

parenchymatico fusco, ad marginem parenchymatico subhyalino; ascis fusoideis, brevissime stipitatis, apice obtuse attenuatis, octosporis; paraphysibus bacillaribus apice anguste clavulatis; sporidiis subtristichis, fusiformibus, rectis, curvulisve, acutiusculis, 30-32 = 3,5-4, granulosis hyalinis. — In foliis calamisque Luzulæ albidæ in sylvis Corcelles prope Neuchatel (Morthier, n. 15). — Affinis *Trochilæ diminuenti* Karst., sed sporidia longiora et paraphyses vix apice clavatae.

9. *Chondrioderma spumarioides* (Fr.) Rost. — Ad virgulta prope lacum Neuchatel (Morthier, n. 24).

10. *Septoria Visci* Bresad. in litt. — Maculis subcircularibus amphigenis lutescentibus, nonnihil elevatis, margine concolori; perithecciis in centro maculæ hypophyllæ copiosis, densis, globoso-lenticularibus, late pertusis, atris, $^1/_8$-$^1/_6$ mill. d.; spermatiis anguste bacillari-fusoideis, leniter curvis, 20-34 = 1,5, spurie obsolete 1-3-guttato-septulatis, hyalinis, utrinque obtusiusculis. — In foliis adhuc vivis Visci albi in sylvis Tridentinis (Bresadola).

11. *Septoria pleosporoides* Sacc. — In caulibus emortuis Ranunculi aconitifolii in Jura prope Neuchatel (Morthier, n. 16).

12. *Septoria Xylostei* Sacc. et Wint. — Maculis subcircularibus, albicantibus, atro-marginatis; perithecciis paucis, amphigenis lenticularibus, pertusis, 120-150 μ d.; spermatiis bacillaribus, utrinque obtusiusculis, leniter curvis, 40-60 = 1,5, 8-10-guttulatis, hyalinis. — In foliis Loniceræ Xylostei vivis v. languidis, Zürich (Winter).

13. *Septoria Trollii* Sacc. et Wint. — Maculis variis ochraceo-expallentibus, sæpius epiphyllis, vix marginatis; perithecciis innatis, perexiguis, 40-50 μ d., fuscellis;

spermatiis filiformibus, leniter flexuosis, 40-50 = 1-1,5, tenuiter 3-septatis hyalinis. — In foliis Trolli europæi languidis, Rigi Helvetiae (Winter).

14. *Septoria orobicola* Sacc. — In foliis Orobi verni, prope Neuchatel, socia *Sphærella Aerviseda* et *Phyllosticta orobella* (Morthier, n. 5).

15. *Phyllosticta orobella* Sacc. — Maculis expallentibus, variis, non marginatis; peritheciis gregariis, punctiformibus, initio tectis, 80-100 μ d.; spermatiis oblongis, inæquilateris, utrinque rotundatis, biguttulatis, hyalinis, 7-7,5 = 3. — In foliis Orobi verni cum præcedente, Neuchatel (Morthier, n. 5). A *Ph. orobina* Sacc. prorsus diversa.

16. *Sirococcus cylindroides* Sacc. — Peritheciis gregariis, velatis, dein epidermide secessa, superficialibus, globoso-conicis, dein collabascentibus, papillulatis, $^1/_3$-$^1/_2$ mill. d., atris, duriusculis; spermatiis in catenulas simplices v. parce ramosas, 50-60 μ longas digestis, cylindricis, utrinque subtruncatis, 6-7 = 1,5, subhyalinis, ex basidiis sporomorphis fasciculatis oriundis. — In caule emortuo Adenostylis albifrontis in Jura prope Neuchatel, socia *Leptosphæria Nitschkei* Rehm (Morthier, n. 17).

17. *Dinemasporium microsporum* Sacc. — Peritheciis sparsis, subsuperficialibus, subcupulatis, $^1/_3$ mill. d., nigris, setulis rigidis, cuspidatis, 250-280 μ longis, subcontinuis, atris obsessis; spermatiis cylindraceis, curvatis, 7-9 = 2-3, utrinque oblique 1-ciliatis, ciliis 10-12 μ longis, hyalinis; basidiis fasciculatis filiformibus, 40 = 1-1,5. — In foliis emortuis Phragmites ad lacum Neuchatel (Morthier, n. 21).

18. *Cercosporella septorioides* Sacc. — Maculis griseo-fuscis epiphyllis nervis limitatis; cæspitulis late effusis, albidis, maculiformibus; basidiis (hyphis) fasciculatis, pa-

liformibus, 20-30 = 5, continuis, subhyalinis; conidiis cylindraceis, curvatis, spurie 3-5-septatis v. guttulatis (septorioideis), utrinque obtusiusculis, 60-70 = 5-6, hyalinis. — In foliis Adenostylis albifrontis, socia *Sphærella* confertissima, immatura, in monte Lautaret Delphinati (Morthier, n. 12).

19. *Cercosporella rætica* Sacc. et Wint. — Maculis subcircularibus, amphigenis, expallentibus, indistincte fusco-marginatis; cæspitulis minutis albis; basidiis (hyphis) filiformibus, nodulosis, simplicibus, v. furcatis, 30 = 3-3,5, continuis, hyalinis; conidiis, bacillari-fusoideis, lenissime curvis, 40-45 = 4, 3-septatis, non constrictis, utrinque obtusiusculis, hyalinis. — In foliis languidis Imperatoriæ, Cellerine Rhætiæ (Winter).

IV.

Fungillus italicus Cactaceis noxius.

Phoma torrens Sacc. — Peritheciis dense gregariis, plagas in plantis initio vivis magis magisque diffusas, arescendo griseo-ochraceas afficientibus, punctiformibus, globoso-hemisphæricis, 100-150 μ d., initio epidermide velatis, dein erumpentibus, vertice obtusiusculo pertusis; contextu parenchymatico fuligineo solidiusculo; spermatiis in basi sporigera subsessilibus, obovatis, 8-10 = 7, nunc minute pluriguttulatis, nunc crasse 1-2-guttatis, hyalinis. — In Cereis, Echinocactis, Mammillariis cultis, quibus cutem mox uret et tandem mortem affert, in horto botanico romano, ubi cum amico prof. Pirotta legi autumno 1883, nec non in hortis patavinis. — Cum *Phoma Cacti* Berk. non comparanda. Spermatia sæpe guttulis minutis farcta ascos polysporos fere imitantur.

V.

Fungi lecti in insula oceanica Thaiti a cl. centurione Gast. Brunaud, in America boreali a cll. J. B. Ellis, C. H. Demetrio et W. H. Kellermann, et in Australia ex herb. Bosc.

1. *Exidia auriformis* Fr. Ad truncos in insula Tahiti (G. Brunaud, n. 2). — Ad *Exidiam sambucinam* nostratem valde accedit.
2. *Parodiella Banksiæ* Sacc. et Bizz. — Perithecciis hypophyllis dense gregariis, superficialibus, globulosis, nigris, punctiformibus, 100-110 μ diam., subastomis, glabris, basi hyphulis, paucis cinctis; ascis tereti-clavulatis, subsessilibus, apice truncatis, octosporis 50-55 = 10; paraphysibus bacillari-clavulatis; sporidiis distichis, fusoideo-oblongis, constricto-1-septatis, 14-15 = 4-5, olivaceo-fuscis. — In p. inf. foliorum subviventium Banksiæ marginatæ in New-South-Wales Australiae (herb. Bosc in horto patavino). — Mycelium fere nullum ergo non *Dimerosporium*.
3. *Daldinia concentrica* (Bolt.) Ces. De Not. var. *Eschscholzii* Ehrenb. — Ad caudicem Cocos, Tahiti (G. Brunaud, n. 3).
4. *Sphærella Tahitensis* Sacc. — Perithecciis hypophyllis velatis, hinc inde dense gregariis, punctiformibus, lenticularibus pertusis, 80 μ d.; ascis tereti-fusoideis, subsessilibus, apice rotundatis, 48 = 7-8, octosporis; sporidiis distichis fusoideo-clavulatis, 1-septatis, leniter constrictis, 4-guttulatis, 14 = 3, hyalinis. — In foliis emortuis Mangiferæ indicæ (socia *Pestalozzia funerea* f. *Mangiferæ*: conidiis quam in typo paulo minoribus, 22 = 6) in insula Tahiti (G. Brunaud, n. 3).

5. *Diplodia Vincæ* Sacc. et Wint.-Peritheciis gregariis, v. subsparsis, tectis, globosis, exiguis, atris, 260-300 μ d., ostiolo papillato erumpente; stylosporis ovatis, ovato-oblongis, v. subpyriformibus, sæpe irregularibus, diu continuis fuligineis 17-28 = 10-14. — In foliis caulibusque Vincæ minoris, Amanda, Ohio, Amer. bor. (W. H. Kellermann). — Si stylosporæ jugiter continuæ manent ad genus *Sphæropsis* Sacc. referenda species.

6. *Diplodia cococarpa* Sacc. — Peritheciis dense gregariis, subcutaneo-erumpentibus, globosis, papillatis atris, intus nitidulis, $^1/_3$ mill. d.; stylosporis stipitatis ellipsoideo-oblongis, 22 = 12, 1-septatis, vix constrictis fuligineis, subinde longitudinaliter striatulis, filamentis (paraphysibus?) filiformibus, hyalinis, duplo longioribus intermixtis. — Ad parietem inter. pericarpii *Cocos nuciferæ* putridi, Tahiti (G. Brunaud, n. 16).

7. *Zygosporium oscheoides* Mont. — In foliis emortuis Palmarum e. g. Cocos in insula Tahiti (G. Brunaud). — Fungillus vere singularis! Hyphæ fertiles assurgentes, 70 = 3, septatæ, fuligineæ, apice inflatulæ pallidiores, prope basim emittentes e latere sporophorum semilunare, 18 = 7, fuligineum stipitellatum; conidiis ex apice simplici v. bifido sporophori oriundis, sæpius binis, globosis, 5 μ d., hyalinis.

Actinomma Sacc. nov. gen. — (Etym. *actin* radius, *omma* aspectus). Sporodochia superficialia, applanata atra, radiato-lobata, stelliformia, hypothallo setuloso fuligineo insidentia. Conidia ex hypothallo oriunda in catenulas ramosas digesta, globulosa hyalina v. fuscella.

8. *Actinomma Gastonis* Sacc. — Sporodochiis gregariis, superficialibus, atris, applanatis, stelliformi-divisis, $^1/_2$-$^3/_4$ mill. d., levibus, siccis contractis, radiis 3-5, basi

hyphis filiformi-tortuosis, ramulosis, septatis, fuligineis cinctis; hypothallo ex hyphis similibus laxe contexto; conidiis ex hypothallo oriundis, globosis, 5-5,5, in catenulas ramulosas digestis, hyalinis, extimis (superficiem sporodochii formantibus) dilute fuscellis. — In foliis emortuis Musarum (*Bananier*) in insula Tahiti (G. Brunaud, n. 2).

9. *Capnodium Footii* Berk. et Desm. — In foliis subcoriaceis in insula Tahiti (G. Brunaud, n. 1).

10. *Strumella coryneoidea* Sacc. et Wint. — Sporodochiis gregariis superficialibus, pulvinatis, atro-olivaceis, ½-¾ mill. d., compactis; hyphis e basi prolifera parenchymatica fusca oriundis, filiformibus, 60-100 = 7-8, simplicibus, ramosisque, septatis, fuligineis; conidiis obovatis v. subpyriformibus, 1-2-guttatis, subinde infra medium 1-septatis, 10-12 = 6-7, deorsum acutatis, fuligineis. — In cortice Quercus albæ, Perryville Missouri Amer. bor. (C. H. Demetrio).

Fusariella Sacc. n. gen. — Hyphæ fertiles varie ramosæ e mycelio repente oriundæ, subhyalinæ; conidia acrogena fusiformia recta v. curva 2-pluriseptata, olivacea v. fusca. Est *Fusarium* phæosporum.

11. *Fusariella atrovirens* Sacc. *Fusisporium atrovirens* F. ital. fig. 45, Myc. ven. 1038, vix vero *Fusisporium atrovirens* Berk. — In charta bibula putri, Newfield, New Jersey, Amer. bor. (J. B. Ellis, n. 3758). Conidia fusoidea, curvula, 3-septata, ad septa leniter constricta, 25-30 = 7-8, olivaceo-fusca utrinque acutiuscula. Sporophora sæpius furcata, subhyalina, filiformia.